

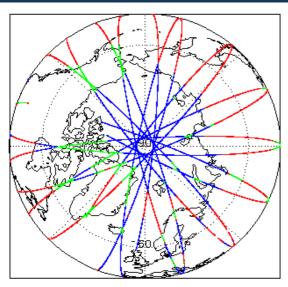
1. Overview

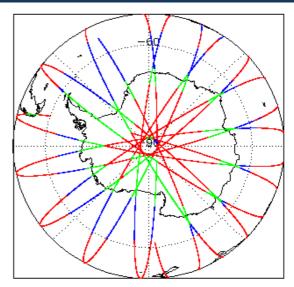
Report Production:	05-Jan-2022	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data	

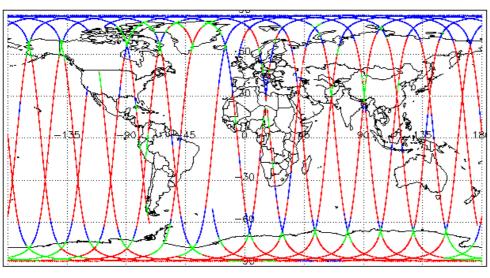
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
Measurement Confidence Data Check	See Section 4.5, 4.6	Nominal
Range, SWH & Backscatter Measurement Check	See Section 5.6	See Section 6.6
Ocean Retracking Quality Check	See Section 5.7	See Section 6.7
QCC Error/ Warning Check	See Section 7.1 and 7.2	See Section 7.1 and 7.2

Missi	on / Instru	ment News
21-N	lov-2021	None
22-N	lov-2021	None
23-N	lov-2021	Nothing planned

2. Global Coverage









3. Instrument Configuration

The SIRAL instrument configuration for the day of acquisition is provided below.

SIRAL instrument(s) in use: SIRAL - A

4. GOP Level 1B Data Quality Check

4.1 L1B Product Format Check

4.2 L1B Product Header Analysis

For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.

L1B Processing Quality HR: The I1b_proc_flag_hr flag is currently set all L1B GOPR and GOPN products because the I1b_processing_quality_hr field is not correctly configured in the OSAR and OSARIn chains. A modification is required in the next release.

Number of products with errors:

4.3 L1B Auxilary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.

Number of products with errors:

4.4 L1B Auxiliary Correction Error Check

CryoSat L1B data includes a correction error flag for each measurement record. The bit value of this flag indicates any problems when set.

0

Number of products with errors:

4.5 L1B Measurement Confidence Data Check

CryoSat L1B data includes a measurement confidence flag for each measurement record. The bit value of this flag indicates any problems when set.

Attitude Correction Missing: This flag is currently set in error for GOPR products due to a configuration issue. This is being investigated and will be updated in the next SW update.

Number of products with errors:

4.6 L1B Waveform Group Data Check

CryoSat L1B data includes a waveform data flag for each measurement record. The bit value of this flag indicates any problems when set.

Loss of Echo Flag: This flag is currently set for some products over land, but this is to be expected.

19

Number of products with errors:

Test Failed	Description
Loss of Echo	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
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Loss of Echo	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
	Loss of Echo

5. GOP Level 2 Data Quality Check

5.1 L2 Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a binary product file (.DBL).

Number of products with errors:

5.2 L2 Product Header Analysis

For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.

Number of products with errors:

5.3 L2 Auxiliary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

For all products, the auxiliary corrections within the Geophysical Group are checked for the default error value (32767).

Currently, there are some common auxiliary correction errors raised in the Level 2 products which are expected due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues which may arise from this test.

> ECMWF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric Correction, Wet Tropospheric Correction, Inverse Barometric Correction and the U-Wind and V-Wind components of the ECMWF model wind vector. This is a known anomaly (CRYO-COP-3) and will be resolved in a future IPF update. The affected products are not reported in the table below.

> Altimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.

Number of products with errors:

54

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Product	Test Failed	Description There is an arrawith the Man Dynamic Tanagraphy (aslution 1) for any
CS_OFFL_SIR_GOPM_2_20211122T033427_20211122T034927_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPM_2_20211122T040825_20211122T042213_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPM_2_20211122T085120_20211122T085404_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPM_2_20211122T190009_20211122T190026_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPM_2_20211122T235434_20211122T235646_C001	GPD Wet Tropospheric Correction	There is an error with the GPD Wet Tropospheric correction for one or more records
CS_OFFL_SIR_GOPN_2_20211122T012728_20211122T013004_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20211122T022242_20211122T022403_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20211122T030246_20211122T030857_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20211122T040201_20211122T040305_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20211122T040618_20211122T040825_C001	Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOPN_2_20211122T054115_20211122T054613_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20211122T080553_20211122T080759_C001	Mean Sea Surrace (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20211122T094350_20211122T094708_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20211122T112243_20211122T112602_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20211122T113125_20211122T113249_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20211122T121208_20211122T121503_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20211122T130946_20211122T131120_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20211122T135304_20211122T135404_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20211122T144718_20211122T144925_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20211122T153104_20211122T153319_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20211122T161735_20211122T161921_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20211122T163436_20211122T163634_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20211122T170739_20211122T171147_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20211122T180702_20211122T180904_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20211122T211618_20211122T211743_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20211122T212531_20211122T212644_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20211122T221715_20211122T221803_C001	Total Geocentric Ocean Tide (GOT)	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20211122T225546_20211122T225712_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20211122T230223_20211122T230526_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20211122T003604_20211122T004242_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20211122T004242_20211122T004705_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20211122T021534_20211122T022130_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

CS_OFFL_SIR_GOPR_2_20211122T022130_20211122T022242_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20211122T024503_20211122T024717_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPR_2_20211122T035532_20211122T035704_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20211122T035736_20211122T035922_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20211122T035923_20211122T040201_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20211122T053403_20211122T053506_C001	Mean Sea Surrace (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the GPD Wet Tropospheric correction, the MSS height (solution 1) and tidal corrections for one or more records
CS_OFFL_SIR_GOPR_2_20211122T053506_20211122T054115_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20211122T054614_20211122T054826_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20211122T071629_20211122T072137_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20211122T084427_20211122T084536_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20211122T084546_20211122T084624_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20211122T085003_20211122T085120_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20211122T085528_20211122T090336_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20211122T103408_20211122T104244_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20211122T121504_20211122T122214_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20211122T135404_20211122T135948_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20211122T153320_20211122T154009_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20211122T170518_20211122T170739_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20211122T171147_20211122T171709_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20211122T185011_20211122T190008_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20211122T202723_20211122T203458_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20211122T220626_20211122T221316_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20211122T221316_20211122T221610_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20211122T234455_20211122T235216_C001	GPD Wet Tropospheric Correction, Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the GPD Wet Tropospheric correction, the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20211122T235216_20211122T235434_C001	GPD Wet Tropospheric Correction, Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the GPD Wet Tropospheric correction, the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20211122T235646_20211123T000412_C001	GPD Wet Tropospheric Correction	There is an error with the GPD Wet Tropospheric correction for one or more records

5.5 L2 Measurement Confidence Data Check

CryoSat L2 data includes a measurement confidence flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20Hz)

CryoSat L2 data includes Quality Flags for each 20 Hz, 20 Hz PLRM and 1 Hz measurement record. The bit value of this flag indicates any problems when set.

Currently, there are several common flags raised in the Level 2 products, which are summarised below. The table provides the full list of products flagged.

- > Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags: These flags are currently set for some records over ocean.
- > OCOG Altimeter Range and Backscatter Quality Flags: These flags are currently set for some records over continental ice.

Number of products with errors:

Product

CS_OFFL_SIR_GOPM_2_20211121T235948_20211122T003242_C001

78

Test Failed

Description Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality, OCOG and Itimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality set for one or more records.

CS_OFFL_SIR_GOPM_2_20211122T005621_20211122T012030_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T013004_20211122T013156_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T013937_20211122T014606_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T020100_20211122T020930_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T021104_20211122T021159_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T022403_20211122T022659_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T022847_20211122T024503_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T024717_20211122T030202_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T031154_20211122T031611_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T031817_20211122T033248_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T033427_20211122T034927_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T040825_20211122T042213_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T042912_20211122T044256_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T044651_20211122T045514_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T045823_20211122T052017_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T054826_20211122T055400_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T055622_20211122T062158_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T062552_20211122T062749_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T062837_20211122T063332_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T063918_20211122T070156_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T073507_20211122T075959_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T080800_20211122T081358_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T081713_20211122T083613_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T083639_20211122T084426_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T090652_20211122T093934_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T094708_20211122T095230_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

CG CRFL SR GCPM 2 0201122T10008 C011 CG CRFL SR GCPM 2 0201122T10008 C011122T10008 C011 CG CRFL SR GCPM 2 0201122T10008 C011 CG CRFL SR GCPM 2 0201122T10008 C011 CG CRFL SR GCPM 2 0201122T10008 C011122T10008 C011 CG CRFL SR GCPM 2 0201122T10008 C011 CG CRFL			
CG OFFL SR GOPM 2 020112710971 (2011 20110975 (20110975 (2011	CS_OFFL_SIR_GOPM_2_20211122T095705_20211122T095847_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
Secondary Country Col. OFFL. SRR. OOPM. 2. 20211122T100006 20211122T10000 COUNTRY Col. OFFL. SRR. OOPM. 2. 20211122T100006 20211122T10000 COUNTRY Col. OFFL. SRR. OOPM. 2. 20211122T100006 20211122T110000 COUNTRY Col. OFFL. SRR. OOPM. 2. 20211122T10000 20211122T110000 COUNTRY Col. OFFL. SRR. OOPM. 2. 20211122T10000 20211122T110000 COUNTRY Col. OFFL. SRR. OOPM. 2. 20211122T110000 20211122T110000 COUNTRY Col. OFFL. SRR. OOPM. 2. 20211122T110000 20211122T110000 COUNTRY Col. OFFL. SRR. OOPM. 2. 20211122T110000 20211122T110000 COUNTRY Col. OFFL. SRR. OOPM. 2. 20211122T110011 20211122T10000 COUNTRY Col. OFFL. SRR. OOPM. 2. 20211122T110011 20211122T10000 COUNTRY Col. OFFL. SRR. OOPM. 2. 20211122T110011 20211122T10010 COUNTRY Col. OFFL. SRR. OOPM. 2. 20211122T110011 20211122T10010 COUNTRY Col. OFFL. SRR. OOPM. 2. 20211122T10011 20211122T10010 COUNTRY Col. OFFL. SRR. OOPM. 2. 20211122T10000 COUNTRY Col. OFFL. SRR.	CS_OFFL_SIR_GOPM_2_20211122T095904_20211122T100025_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CB_OFFL_SIR_OOPM_2_2021102T109666_2021102T1109666_00211102T109	CS_OFFL_SIR_GOPM_2_20211122T102707_20211122T102713_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_OPPL_2_70211127114058_2011127114926_0001 CS_OFFL_SIR_OPPL_2_7021112711478_0011127114059_0001 CS_OFFL_SIR_OPPL_2_70211127112718058_0001 CS_OFFL_SIR_OPPL_2_70211127112718058_0001 CS_OFFL_SIR_OPPL_2_70211127114011_201112710010 CS_OFFL_SIR_OPPL_2_70211127114011_201112710010 CS_OFFL_SIR_OPPL_2_70211127112718058_0001 CS_OFFL_SIR_OPPL_2_70211127112718058_0001 CS_OFFL_SIR_OPPL_2_70211127112718058_0001 CS_OFFL_SIR_OPPL_2_70211127112718058_0001 CS_OFFL_SIR_OPPL_2_70211127112718058_0001 CS_OFFL_SIR_OPPL_2_70211127112710011_000112710001_0001 CS_OFFL_SIR_OPPL_2_70211127112710011_000112710001_0001 CS_OFFL_SIR_OPPL_2_70211127112710011_000112710001_0001 CS_OFFL_SIR_OPPL_2_70211127112710011_000112710001_0001 CS_OFFL_SIR_OPPL_2_70211127112710011_000112710001_0001 CS_OFFL_SIR_OPPL_2_70211127112710011_000112710001_0001 CS_OFFL_SIR_OPPL_2_70211127112710011_000112710001_0001 CS_OFFL_SIR_OPPL_2_70211127112710011_000112710001_0001 CS_OFFL_SIR_OPPL_2_702111271140001_0001127112710001_0001 CS_OFFL_SIR_OPPL_2_702111271140001_0001127112710001_0001 CS_OFFL_SIR_OPPL_2_702111271140001_00011271140001_0001 CS_OFFL_SIR_OPPL_2_702111271140001_00011271140001_0001 CS_OFFL_SIR_OPPL_2_702111271140001_00011271140001_0001 CS_OFFL_SIR_OPPL_2_702111271140001_0001127114000000000000000000000000000000	CS_OFFL_SIR_GOPM_2_20211122T103026_20211122T103408_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T11478_00211122T11478_0001 CS_OFFL_SIR_GOPM_2_20211122T11578_00211122T11478_0001 CS_OFFL_SIR_GOPM_2_20211122T11578_00011122T14580_0001 CS_OFFL_SIR_GOPM_2_20211122T11578_00011122T14580_0001 CS_OFFL_SIR_GOPM_2_20211122T11578_00011122T155001 CS_OFFL_SIR_GOPM_2_20211122T11578_00011122T155001 CS_OFFL_SIR_GOPM_2_20211122T130511_00011122T155001 CS_OFFL_SIR_GOPM_2_20211122T130511_00011122T155001 CS_OFFL_SIR_GOPM_2_20211122T130510 CS_OFFL_SIR_GOPM_2_20211122T142155 CS_OFFL_SIR_GOPM_2_20211122T142172_00011 CS_OFFL_SIR_GOPM_2_20211122T142172_00010 CS_OFFL_SIR_GOPM_2_20211122T142172_00010 CS_OFFL_SIR_GOPM_2_20211122T142172_00010 CS_OFFL_SIR_GOPM_2_20211122T142172_000010 CS_OFFL_SIR_GOPM_2_20211122T142172_00000000000000000000000000000000000	CS_OFFL_SIR_GOPM_2_20211122T104606_20211122T105513_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
Beoscatter Cualty Beoscatter Cualty CS_OFFL_SIR_GOPM_2_20211122T114014_20211122T114020_C001 Abstrate Flange and Blockcatter Cualty COOG Abstrate Flange and Blockcatter Cualty Flags have the OCOG Abstrate Flange and	CS_OFFL_SIR_GOPM_2_20211122T105758_20211122T111926_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
and Backscatter Quality. COCG Alterester Range, 2014 Book Alterester Range and Backscatter Quality Rags has Alterester Range and Backscatter Quality. COCG Alterester Range, 2014 SWH, and Backscatter Quality CoCG Alterester Range, 2014, 2011 CS_OFFL_SIR_GOPPM_2_20211122T114817_20211122T115917_CODI CS_OFFL_SIR_GOPPM_2_20211122T130111_20211122T130811_CODI CS_OFFL_SIR_GOPPM_2_20211122T130111_20211122T130811_CODI CS_OFFL_SIR_GOPPM_2_20211122T130111_20211122T130811_CODI CS_OFFL_SIR_GOPPM_2_20211122T130111_20211122T130811_CODI CS_OFFL_SIR_GOPPM_2_20211122T130111_20211122T130811_CODI CS_OFFL_SIR_GOPPM_2_20211122T130811_CODI CS_OFFL_SIR_GOPPM_2_20211122T14046_20211122T14056_CODI CS_OFFL_SIR_GOPPM_2_20211122T14046_20211122T140762_CODI CS_OFFL_SIR_GOPPM_2_20211122T14047_20211122T140762_CODI CS_OFFL_SIR_GOPPM_2_20211122T15009_20211122T16000_CODI CS_OFFL_SIR_GOPPM_2_20211122T15009_20211122T16000_CODI CS_OFFL_SIR_GOPPM_2_20211122T15009_20211122T16000_CODI CS_OFFL_SIR_GOPPM_2_20211122T15009_20211122T16000_CODI CS_OFFL_SIR_GOPPM_2_2021112	CS_OFFL_SIR_GOPM_2_20211122T112718_20211122T113124_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
and Backscatter Quality CS_OFFL_SIR_GOPM_2_20211122T122322_20211122T12808_C001 Abstracter Range (SSHA, SWH and Backscatter Quality Flage has Attender Range (SSHA, SWH and Backscatter Quality Flage has Attender Range (SSHA, SWH and Backscatter Quality Flage has Attender Range (SSHA, SWH and Backscatter Quality Flage have to rome or more records. CS_OFFL_SIR_GOPM_2_20211122T130831_20211122T13094_C001 CS_OFFL_SIR_GOPM_2_20211122T130831_20211122T13094_C001 CS_OFFL_SIR_GOPM_2_20211122T13094_C001 CS_OFFL_SIR_GOPM_2_20211122T140346_20211122T141555_C001 CS_OFFL_SIR_GOPM_2_20211122T140346_20211122T141555_C001 CS_OFFL_SIR_GOPM_2_20211122T144000_20211122T14450_C001 CS_OFFL_SIR_GOPM_2_20211122T144000_20211122T14450_C001 CS_OFFL_SIR_GOPM_2_20211122T144000_20211122T14450_C001 CS_OFFL_SIR_GOPM_2_20211122T144000_20211122T14450_C001 CS_OFFL_SIR_GOPM_2_20211122T144000_20211122T14450_C001 CS_OFFL_SIR_GOPM_2_20211122T14450_20211122T14450_C001 CS_OFFL_SIR_GOPM_2_20211122T14450_20211122T14450_C001 CS_OFFL_SIR_GOPM_2_20211122T14450_20211122T14450_C001 CS_OFFL_SIR_GOPM_2_20211122T14450_20211122T14450_C001 CS_OFFL_SIR_GOPM_2_20211122T14450_20211122T14450_C001 CS_OFFL_SIR_GOPM_2_20211122T14450_20211122T14450_C001 CS_OFFL_SIR_GOPM_2_20211122T150650_C001 CS_OFFL_SIR_GOPM_2_20211122T150650_C001 CS_OFFL_SIR_GOPM_2_20211122T150650_20211122T150650_C001 CS_OFFL_SIR_GOPM_2_20211122T150650_C001 CS_OFFL_SIR_GOPM_2_2021112	CS_OFFL_SIR_GOPM_2_20211122T113704_20211122T114629_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
and Backscater Ouality, OCOG and Backscater Ouality, OCOG and Backscater Ouality, OCOG and Backscater Ouality, OCOG CS_OFFL_SIR_GOPM_2_20211122T130111_20211122T130611_C001 CS_OFFL_SIR_GOPM_2_20211122T130531_20211122T13045_C001 CS_OFFL_SIR_GOPM_2_20211122T130531_20211122T13045_C001 CS_OFFL_SIR_GOPM_2_20211122T140346_20211122T14556_C001 CS_OFFL_SIR_GOPM_2_20211122T140346_20211122T14556_C001 CS_OFFL_SIR_GOPM_2_20211122T140346_20211122T14556_C001 CS_OFFL_SIR_GOPM_2_20211122T144000_20211122T144510_C001 CS_OFFL_SIR_GOPM_2_20211122T144000_20211122T144510_C001 CS_OFFL_SIR_GOPM_2_20211122T144501_20211122T144510_C001 CS_OFFL_SIR_GOPM_2_20211122T144501_20211122T144510_C001 CS_OFFL_SIR_GOPM_2_20211122T144501_20211122T150852_C001 CS_OFFL_SIR_GOPM_2_20211122T144501_20211122T150852_C001 CS_OFFL_SIR_GOPM_2_20211122T150532_20211122T150852_C001 CS_OFFL_SIR_GOPM_2_20211122T154531_20211122T150852_C001 CS_OFFL_SIR_GOPM_2_20211122T154532_20211122T150852_C001 CS_OFFL_SIR_GOPM_2_20211122T154532_20211122T150056_C001 CS_OFFL_SIR_GOPM_2_20211122T154532_20211122T150056_C001 CS_OFFL_SIR_GOPM_2_20211122T154532_20211122T150056_C001 CS_OFFL_SIR_GOPM_2_20211122T154532_20211122T150056_C001 CS_OFFL_SIR_GOPM_2_20211122T155033_20211122T150056_C001 CS_OFFL_SIR_GOPM_2_20211122T155033_20211122T150056_C001 CS_OFFL_SIR_GOPM_2_20211122T155033_20211122T150056_C001 CS_OFFL_SIR_GOPM_2_20211122T150056_C001 CS_OFFL_SIR_G	CS_OFFL_SIR_GOPM_2_20211122T114817_20211122T115417_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
Basiscatier Quality CS_OFFL_SIR_GOPM_2_20211122T140345_2021122T130945_C001 CS_OFFL_SIR_GOPM_2_20211122T140346_20211122T141555_C001 CS_OFFL_SIR_GOPM_2_20211122T140346_20211122T14555_C001 CS_OFFL_SIR_GOPM_2_20211122T14000_20211122T144510_C001 CS_OFFL_SIR_GOPM_2_20211122T144000_20211122T144510_C001 CS_OFFL_SIR_GOPM_2_20211122T1445047_20211122T144510_C001 CS_OFFL_SIR_GOPM_2_20211122T14550_20211122T144510_C001 CS_OFFL_SIR_GOPM_2_20211122T145002_20211122T144510_C001 CS_OFFL_SIR_GOPM_2_20211122T145002_20211122T144510_C001 CS_OFFL_SIR_GOPM_2_20211122T145002_20211122T144500_C001 CS_OFFL_SIR_GOPM_2_20211122T145502_20211122T150552_C001 CS_OFFL_SIR_GOPM_2_20211122T151166_20211122T155050_C001 CS_OFFL_SIR_GOPM_2_20211122T154531_20211122T154556_C001 CS_OFFL_SIR_GOPM_2_20211122T154531_20211122T154556_C001 CS_OFFL_SIR_GOPM_2_20211122T154532_20211122T154556_C001 CS_OFFL_SIR_GOPM_2_20211122T155039_20211122T154556_C001 CS_OFFL_SIR_GOPM_2_2021112T155039_20211122T154556_C001 CS_OFFL_SIR_GOPM_2_20211122T155039_20211122T154556_C001 CS_OFFL_SIR_GOPM_2_20211122T155039_20211122T156020_C001 CS_OFFL_SIR_GOPM_2_20211122T156039_20211122T156020_C001 CS_OFFL_SIR_GOPM_2_20211122T156039_20211122T156020_C001 CS_OFFL_SIR_GOPM_2_20211122T156039_20211122T156020_C001 CS_OFFL_SIR_GOPM_2_20211122T156039_20211122T156020_C001 CS_OFFL_SIR_GOPM_2_20211122T156039_20211122T156020_C001 CS_OFFL_SIR_GOPM_2_20211122T156039_20211122T156020_C001 CS_OFFL_SIR_GOPM_2_2021112T156039_20211122T156020_C001 CS_OFFL_SIR_GOPM_2_2021112ZT156039_	CS_OFFL_SIR_GOPM_2_20211122T122432_20211122T125808_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
Backscatter Quality CS_OFFL_SIR_GOPM_2_20211122T140346_20211122T141555_C001 CS_OFFL_SIR_GOPM_2_20211122T140346_20211122T141555_C001 CS_OFFL_SIR_GOPM_2_20211122T142T147_20211122T143752_C001 CS_OFFL_SIR_GOPM_2_20211122T142T142T142T142T142T142T142T142T1	CS_OFFL_SIR_GOPM_2_20211122T130111_20211122T130611_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
and Backscatter Quality COG Altimeter Range and Backscatter Quality Flags have to coean Altimeter Range and Backscatter Quality Flags have to coean Altimeter Range and Backscatter Quality Flags have to coean Altimeter Range and Backscatter Quality and the OCG Altimeter Range and Backscatter Quality Riggs have to cone or more records. CS_OFFL_SIR_GOPM_2_20211122T144547_20211122T144510_C001 CS_OFFL_SIR_GOPM_2_20211122T154551_20211122T150852_C001 CS_OFFL_SIR_GOPM_2_20211122T154551_20211122T150852_C001 CS_OFFL_SIR_GOPM_2_20211122T151106_20211122T150852_C001 CS_OFFL_SIR_GOPM_2_20211122T154531_20211122T154556_C001 CS_OFFL_SIR_GOPM_2_20211122T154531_20211122T154556_C001 CS_OFFL_SIR_GOPM_2_20211122T154558_20211122T154556_C001 CS_OFFL_SIR_GOPM_2_20211122T154558_20211122T154556_C001 CS_OFFL_SIR_GOPM_2_20211122T154558_20211122T154625_C001 CS_OFFL_SIR_GOPM_2_20211122T154558_20211122T154625_C001 CS_OFFL_SIR_GOPM_2_20211122T154558_20211122T154625_C001 CS_OFFL_SIR_GOPM_2_20211122T154558_20211122T16620_C001 CS_OFFL_SIR_GOPM_2_20211122T154558_20211122T16620_C001 CS_OFFL_SIR_GOPM_2_20211122T160266_20211122T16620_C001 CS_OFFL_SIR_GOPM_2_20211122T160266_20211122T16620_C001 CS_OFFL_SIR_GOPM_2_20211122T160266_20211122T16620_C001 CCG_Altimeter Range and Backscatter Quality Riggs have to for one or more records. CS_OFFL_SIR_GOPM_2_20211122T160266_20211122T16620_C001 CCG_Altimeter Range and Backscatter Quality Riggs have to for one or more records. CCG_Altimeter Range and Backscatter Quality Riggs have to for one or more records. CCG_Altimeter Range and Backscatter Quality Riggs have to for one or more reco	CS_OFFL_SIR_GOPM_2_20211122T130631_20211122T130945_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
and Backscatter Quality, COCG Altimeter Range and Backscatter Quality Flags had Altimeter Range and Backscatter Quality Flags have to come or more records. CS_OFFL_SIR_GOPM_2_20211122T144000_20211122T144510_CO01 CS_OFFL_SIR_GOPM_2_20211122T144547_20211122T144517_CO01 CS_OFFL_SIR_GOPM_2_20211122T144547_20211122T144577_CO01 CS_OFFL_SIR_GOPM_2_20211122T144547_20211122T150852_CO01 CS_OFFL_SIR_GOPM_2_20211122T150501_20211122T150852_CO01 CS_OFFL_SIR_GOPM_2_20211122T151106_20211122T150852_CO01 CS_OFFL_SIR_GOPM_2_20211122T151106_20211122T152717_CO01 CS_OFFL_SIR_GOPM_2_20211122T154531_20211122T154556_CO01 CS_OFFL_SIR_GOPM_2_20211122T154531_20211122T154556_CO01 CS_OFFL_SIR_GOPM_2_20211122T154531_20211122T154556_CO01 CS_OFFL_SIR_GOPM_2_20211122T154558_20211122T154825_CO01 CS_OFFL_SIR_GOPM_2_20211122T154558_20211122T154825_CO01 CS_OFFL_SIR_GOPM_2_20211122T154558_20211122T154825_CO01 CS_OFFL_SIR_GOPM_2_20211122T154558_20211122T154825_CO01 CS_OFFL_SIR_GOPM_2_20211122T154558_20211122T154825_CO01 CS_OFFL_SIR_GOPM_2_20211122T154558_20211122T154825_CO01 CS_OFFL_SIR_GOPM_2_20211122T155039_20211122T160056_CO01 CS_OFFL_SIR_GOPM_2_20211122T160236_20211122T160206_CO01 CS_OFFL_	CS_OFFL_SIR_GOPM_2_20211122T140346_20211122T141555_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
Backscatter Quality CS_OFFL_SIR_GOPM_2_20211122T144547_20211122T144717_C001 Backscatter Quality CS_OFFL_SIR_GOPM_2_20211122T145501_20211122T150852_C001 CS_OFFL_SIR_GOPM_2_20211122T145501_20211122T150852_C001 CS_OFFL_SIR_GOPM_2_20211122T151106_20211122T150852_C001 CS_OFFL_SIR_GOPM_2_20211122T151106_20211122T150852_C001 CS_OFFL_SIR_GOPM_2_20211122T151106_20211122T152717_C001 CS_OFFL_SIR_GOPM_2_20211122T151106_20211122T152717_C001 CS_OFFL_SIR_GOPM_2_20211122T154531_20211122T154556_C001 CS_OFFL_SIR_GOPM_2_20211122T154531_20211122T154556_C001 CS_OFFL_SIR_GOPM_2_20211122T154558_20211122T154556_C001 CS_OFFL_SIR_GOPM_2_20211122T154558_20211122T154825_C001 CS_OFFL_SIR_GOPM_2_20211122T154558_20211122T154526_C001 CS_OFFL_SIR_GOPM_2_20211122T154558_20211122T154825_C001 CS_OFFL_SIR_GOPM_2_20211122T154558_20211122T166056_C001 CS_OFFL_SIR_GOPM_2_20211122T160236_20211122T16620_C001 CS_OFFL_SIR_GOPM_2_20211122T160236_20211122T16422_C001 CS_OFFL_SIR_GOPM_2_20211122T160236_20211122T162422_C001 CS_OFFL_SIR_GOPM_2_20211122T160236_20211122T162422_C001 CS_OFFL_SIR_GOPM_2_20211122T160236_20211122T162422_C001 CCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have to come of more records. CCOG Altimeter Range Altimeter Range and Backscatter Quality Flags have to come of more records. CCS_OFFL_SIR_GOPM_2_20211122T160236_20211122T162422_C001 CCCG Altimeter Range Cuality, OCOG Altimeter Range and Backscatter Quality Flags have to come of more records. CCCGG Altimeter Range and Backscatter Quality Flags have to come of more records. CCCGG Altimeter Range Altimeter Range and Backscatter Quality Flags have to come of more records. CCCGG Altimeter Range Altimeter Range and Backscatter Quality Flags have to come of more records. CCCGG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have to come of more records. CCCGG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have to come of more records. CCCGG Altimeter Range Quality, OCOG	CS_OFFL_SIR_GOPM_2_20211122T142147_20211122T143752_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
Backscatter Quality CS_OFFL_SIR_GOPM_2_20211122T145501_20211122T150852_C001 CS_OFFL_SIR_GOPM_2_20211122T145501_20211122T150852_C001 CS_OFFL_SIR_GOPM_2_20211122T151106_20211122T150852_C001 CS_OFFL_SIR_GOPM_2_20211122T151106_20211122T150852_C001 CS_OFFL_SIR_GOPM_2_20211122T151106_20211122T152717_C001 CS_OFFL_SIR_GOPM_2_20211122T154531_20211122T154556_C001 CS_OFFL_SIR_GOPM_2_20211122T154531_20211122T154556_C001 CS_OFFL_SIR_GOPM_2_20211122T154538_20211122T154825_C001 CS_OFFL_SIR_GOPM_2_20211122T154538_20211122T154825_C001 CS_OFFL_SIR_GOPM_2_20211122T155039_20211122T160056_C001 CS_OFFL_SIR_GOPM_2_20211122T150039_20211122T160056_C001 CS_OFFL_SIR_GOPM_2_20211122T160236_20211122T160056_C001 CS_OFFL_SIR_GOPM_2_20211122T160036_C001 CS_OFFL_SIR_GOPM_2_20211122T160236_20211122T160056_C001 CS_OFFL_SIR_GOPM_2_20211122T160056_C001 CCCG Altimeter Range Quality, OCCG Altimeter Range and Backscatter Quality Flags have to one or more records. CCCG Altimeter Range Quality, OCCG Altimeter Range and Backscatter Quality Flags have to one or more records.	CS_OFFL_SIR_GOPM_2_20211122T144000_20211122T144510_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags had be COG Altimeter Range and Backscatter Quality Flags had be COG Altimeter Range and Backscatter Quality Flags had be COG Backscatter Quality Flags have Backscatter Quality Fla	CS_OFFL_SIR_GOPM_2_20211122T144547_20211122T144717_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records. CS_OFFL_SIR_GOPM_2_20211122T154531_20211122T154556_C001 CS_OFFL_SIR_GOPM_2_20211122T154531_20211122T154556_C001 CS_OFFL_SIR_GOPM_2_20211122T154558_20211122T154825_C001 CS_OFFL_SIR_GOPM_2_20211122T154558_20211122T154825_C001 CS_OFFL_SIR_GOPM_2_20211122T154558_20211122T154825_C001 CS_OFFL_SIR_GOPM_2_20211122T155039_20211122T16056_C001 CS_OFFL_SIR_GOPM_2_20211122T160236_20211122T161620_C001 CS_OFFL_SIR_GOPM_2_20211122T160236_20211122T161620_C001 CS_OFFL_SIR_GOPM_2_20211122T160236_20211122T161620_C001 CS_OFFL_SIR_GOPM_2_20211122T160236_20211122T162422_C001 CS_OFFL_SIR_GOPM_2_20211122T160236_20211122T162603_C001 CS_OFFL_SIR_GOPM_2_20211122T160236_20211122T162603_C001 CS_OFFL_SIR_GOPM_2_20211122T162502_20211122T162603_C001 CS_OFFL_SIR_GOPM_2_20211122T162502_20211122T162603_C001 CCOCA Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have to for one or more records. CCOCA Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have to for one or more records. CCOCA Altimeter Range Quality, OCOG Backscatter Quality Flags have to for one or more records. CCOCA Altimeter Range Quality, OCOG Backscatter Quality Flags have to for one or more records. CCOCA Altimeter Range Quality, OCOG Backscatter Quality Flags have to for one or more records.	CS_OFFL_SIR_GOPM_2_20211122T145501_20211122T150852_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
Backscatter Quality CS_OFFL_SIR_GOPM_2_20211122T154558_20211122T154825_C001 Backscatter Quality CS_OFFL_SIR_GOPM_2_20211122T154558_20211122T154825_C001 CS_OFFL_SIR_GOPM_2_20211122T155039_20211122T160056_C001 CS_OFFL_SIR_GOPM_2_20211122T155039_20211122T160056_C001 CS_OFFL_SIR_GOPM_2_20211122T160236_20211122T161620_C001 CS_OFFL_SIR_GOPM_2_20211122T160236_20211122T161620_C001 CS_OFFL_SIR_GOPM_2_20211122T160236_20211122T161620_C001 CS_OFFL_SIR_GOPM_2_20211122T161922_20211122T162422_C001 CS_OFFL_SIR_GOPM_2_20211122T161922_20211122T162422_C001 CS_OFFL_SIR_GOPM_2_20211122T161922_20211122T162422_C001 CS_OFFL_SIR_GOPM_2_20211122T161922_20211122T162603_C001 CS_OFFL_SIR_GOPM_2_20211122T162502_20211122T162603_C001 CS_OFFL_SIR_GOPM_2_20211122T162502_20211122T162603_C001 CCOG Altimeter Range Quality, OCOG Backscatter Quality CCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have to one or more records.	CS_OFFL_SIR_GOPM_2_20211122T151106_20211122T152717_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
Backscatter Quality CS_OFFL_SIR_GOPM_2_20211122T155039_20211122T160056_C001 CS_OFFL_SIR_GOPM_2_20211122T160236_20211122T161620_C001 CS_OFFL_SIR_GOPM_2_20211122T160236_20211122T161620_C001 CS_OFFL_SIR_GOPM_2_20211122T161922_20211122T162422_C001 CS_OFFL_SIR_GOPM_2_20211122T161922_20211122T162603_C001 CS_OFFL_SIR_GOPM_2_20211122T162502_20211122T162603_C001 CS_OFFL_SIR_GOPM_2_20211122T162502_20211122T162603_C001 Backscatter Quality for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality set for one or more records. The Ocean Altimeter Range and Backscatter Quality set for one or more records. The Ocean Altimeter Range and Backscatter Quality set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have to for one or more records. CS_OFFL_SIR_GOPM_2_20211122T161922_20211122T162422_C001 CS_OFFL_SIR_GOPM_2_20211122T162502_20211122T162603_C001 CS_OFFL_SIR_GOPM_2_20211122T162502_20211122T162603_C001 CS_OFFL_SIR_GOPM_2_20211122T162502_20211122T162603_C001 CS_OFFL_SIR_GOPM_2_20211122T162502_20211122T162603_C001 CS_OFFL_SIR_GOPM_2_20211122T162502_20211122T162603_C001 CS_OFFL_SIR_GOPM_2_20211122T162502_20211122T162603_C001 CS_OFFL_SIR_GOPM_2_20211122T162502_20211122T162603_C001 CS_OFFL_SIR_GOPM_2_20211122T162502_20211122T162603_C001	CS_OFFL_SIR_GOPM_2_20211122T154531_20211122T154556_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags has Altimeter Range and Backscatter Quality Flags has set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags has Backscatter Quality Flags has set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags has Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records. OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Backscatter Quality Flags have to for one or more records. OCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have to for one or more records. OCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have to for one or more records. OCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have to for one or more records.	CS_OFFL_SIR_GOPM_2_20211122T154558_20211122T154825_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T160236_20211122T161620_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records. CS_OFFL_SIR_GOPM_2_20211122T161922_20211122T162422_C001 CS_OFFL_SIR_GOPM_2_20211122T162502_20211122T162603_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have to for one or more records. OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have to for one or more records.	CS_OFFL_SIR_GOPM_2_20211122T155039_20211122T160056_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
Backscatter Quality for one or more records. CS_OFFL_SIR_GOPM_2_20211122T162502_20211122T162603_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_GOPM_2_20211122T162502_20211122T162603_C001 Backscatter Quality, OCOG Backscatter Quality, OCOG Backscatter Quality for one or more records.	CS_OFFL_SIR_GOPM_2_20211122T160236_20211122T161620_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
Backscatter Quality for one or more records.	CS_OFFL_SIR_GOPM_2_20211122T161922_20211122T162422_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
Court Aliferty Provided Review Court (NATION CONTRACTOR OF COURT O	CS_OFFL_SIR_GOPM_2_20211122T162502_20211122T162603_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
	CS_OFFL_SIR_GOPM_2_20211122T163258_20211122T163435_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
	CS_OFFL_SIR_GOPM_2_20211122T163634_20211122T164711_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_GOPM_2_20211122T164911_20211122T165445_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T165729_20211122T170518_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T172240_20211122T172242_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T173336_20211122T175454_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T180401_20211122T180701_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T181053_20211122T183842_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T191105_20211122T193420_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T193742_20211122T194254_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T194301_20211122T194628_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T195039_20211122T202325_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T204603_20211122T210415_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T210934_20211122T211323_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T211743_20211122T212329_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T212347_20211122T212530_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T213109_20211122T220307_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T221610_20211122T221714_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T223829_20211122T224024_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T224048_20211122T225137_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T225712_20211122T230222_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T230917_20211122T233036_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T233223_20211122T234446_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211122T235434_20211122T235646_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20211122T090337_20211122T090652_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20211122T112712_20211122T112717_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20211122T140002_20211122T140114_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (20Hz PLRM)

Currently, there are several common flags raised in the Level 2 products, which are summarised below. The table provides the full list of products flagged.

- > Ocean Altimeter Range, SSHA, SWH and Backscatter PLRM Quality Flags: These flags are currently set for occasional records over sea ice.
- > OCOG Altimeter Range and Backscatter PLRM Quality Flags: These flags are currently set for occasional records over continental ice.

Number of products with errors:

78

Number of products with errors: 78		
Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20211122T004822_20211122T004900_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20211122T013157_20211122T013822_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20211122T022242_20211122T022403_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20211122T022659_20211122T022847_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20211122T030246_20211122T030857_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20211122T031611_20211122T031746_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20211122T040201_20211122T040305_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20211122T052152_20211122T052539_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20211122T052615_20211122T052717_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20211122T054115_20211122T054613_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20211122T062433_20211122T062552_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20211122T063332_20211122T063554_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20211122T080553_20211122T080759_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20211122T085517_20211122T085528_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20211122T090337_20211122T090652_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20211122T094350_20211122T094708_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20211122T102930_20211122T103026_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20211122T104245_20211122T104556_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20211122T112243_20211122T112602_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20211122T113125_20211122T113249_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20211122T130946_20211122T131120_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20211122T135304_20211122T135404_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20211122T143821_20211122T144000_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20211122T144718_20211122T144925_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

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Comparison Com	CS_OFFL_SIR_GOPN_2_20211122T152717_20211122T152923_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Cooperation	CS_OFFL_SIR_GOPN_2_20211122T161735_20211122T161921_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Dec. Color Dec.	CS_OFFL_SIR_GOPN_2_20211122T163436_20211122T163634_C001		
DR_OPPL_SR_OOPPL_2 201112717956_261112717950_COOI DR_OPPL_SR_OOPPL_2 201112717956_261112717950_COOI DR_OPPL_SR_OOPPL_2 201112717956_261112717950_COOI DR_OPPL_SR_OOPPL_2 201112717956_261112717950_COOI DR_OPPL_SR_OOPPL_2 201112717956_261112717950_COOI DR_OPPL_SR_OOPPL_2 201112717956_261112717950_COOI DR_OPPL_SR_OOPPL_2 201112717950_COOI DR_OPPL_SR_OOPPL_2 20111271795	CS_OFFL_SIR_GOPN_2_20211122T164712_20211122T164911_C001		, ,
CS_CPF_SIR_GOPR_2_2021122719600 20211227197007 C001 CS_CPF_SIR_GOPR_2_20211227196000 20211227196007 C001 CS_CPF_SIR_GOPR_2_20211227196000 20211227196007 C001 CS_CPF_SIR_GOPR_2_20211227196000 20211227196007 C001 CS_CPF_SIR_GOPR_2_20211227196000 20211227196007 C001 CS_CPF_SIR_GOPR_2_20211227196000 20211227105400_C001 CS_CPF_SIR_GOPR_2_20211227106000 20211227105400_C001 CS_CPF_SIR_GOPR_2_202111227106000 20211227105400_C001 CS_CPF_SIR_GOPR_2_202111227106000 20211227105400_C001 CS_CPF_SIR_GOPR_2_202111227106000 20211227105400_C001 CS_CPF_SIR_GOPR_2_202111227106000 202111227105400_C001 CS_CPF_SIR_GOPR_2_202111227106000 202111227105400_C001 CS_CPF_SIR_GOPR_2_202111227106000 2021112271054000_C001 CS_CPF_SIR_GOPR_2_202111227106000 2021112271054000_C001 CS_CPF_SIR_GOPR_2_202111227106000 2021112271054000_C001 CS_CPF_SIR_GOPR_2_202111227106000 2021112271054000_C001 CS_CPF_SIR_GOPR_2_202111227106000 2021112271054000_C001 CS_CPF_SIR_GOPR_2_202111227106000 2021112271054000_C001 CS_CPF_SIR_GOPR_2_202111227106000 202111227105200_C001 CS_CPF_SIR_GOPR_2_202111227106000 2021112271054000 _C001 CS_CPF_SIR_GOPR_2_202111227106000 _2021112271054000 _C001 CS_CPF_SIR_GOPR_2_202111227106000 _2021112271054000 _C001 CS_CPF_SIR_GOPR_2_202111227106000 _202111227105400 _C001 CS_CPF_SIR_GOPR_2_	CS_OFFL_SIR_GOPN_2_20211122T170739_20211122T171147_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_DFFL_SIR_GCPRL_2_2021122T19500_2021122T19500_0000000000000000000000000000000000	CS_OFFL_SIR_GOPN_2_20211122T172805_20211122T173202_C001		
OSC OREA, SIRI, COPPL 2, 202111227103562, 202111227105621 (2011) CREA PRINTED PLANS COORD Allerance Plange Quality FLIM, COORD Range and Badescatter Quality Flags have been set for one or none records. CREA CREATER Flags SSSA, SWH, and Badescatter Quality Flags have been set for one or none records. CREA CREATER Flags SSSA, SWH, and Badescatter Quality Flags have been set for one or none records. CREA CREATER Flags SSSA, SWH, and Badescatter Quality Flags have been set for one or none records. CREA CREATER Flags SSSA, SWH, and Badescatter Quality Flags have been set for one or none records. CREA CREATER Flags SSSA, SWH, and Badescatter Quality Flags have been set for one or none records. CREA CREATER Flags SSSA, SWH, and Badescatter Quality Flags have been set for one or none records. CREA CREATER Flags SSSA, SWH, and Badescatter Quality Flags have been set for or or none records. CREA CREATER Flags SSSA, SWH, and Badescatter Quality Flags have been set for or or none records. CREA CREATER Flags SSSA, SWH, and Badescatter Quality Flags have been set for or or or none records. CREA CREATER Flags SSSA, SWH, and Badescatter Quality Flags have been set for or or or none records. CREA CREATER Flags SSSA, SWH, and Badescatter Quality Flags have been set for or or or none records. CREA CREATER Flags SSSA, SWH, and Badescatter Quality Flags have been set for or or or none records. CREA CREATER Flags SSSA, SWH, and Badescatter Quality Flags have been set for or or or none records. CREA CREATER Flags SSSA, SWH, and Badescatter Quality Flags have been set for or or or or none records. CREA CREATER Flags SSSA, SWH, and Badescatter Quality Flags have been set for or none records. CREA CREATER Flags SSSA, SWH, and Badescatter Quality Flags have been set for or o	CS_OFFL_SIR_GOPN_2_20211122T175701_20211122T175959_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCOG Resociator Cuality Flags OCOG Alterenter Range (SSHA, SWH and Backscatter Cuality Flags CS, OFFL_SIR, GOPR 2_20211122T004242_20211122T004242_001122T004242_0011122T004	CS_OFFL_SIR_GOPN_2_20211122T190900_20211122T191007_C001		
OS OFFL SIR GOPR 2 20211122T004242 20211122T004705 COOL Affarred Fange and Biosoccater Cuality Files have been set for one or more records. Osan Affarred Fange and Biosoccater Cuality Files have been set for one or more records. Osan Affarred Fange and Biosoccater Cuality Files have been set for one or more records. Osan Affarred Fange and Biosoccater Cuality Files have been set for one or more records. Osan Affarred Fange and Biosoccater Cuality Files have been set for one or more records. Osan Affarred Fange and Biosoccater Cuality Files have been set for one or more records. Osan Affarred Fange and Biosoccater Cuality Files have been set for one or more records. Osan Affarred Fange and Biosoccater Cuality Files have been set for one or more records. Osan Affarred Fange SHA, SWH and Badoccater Cuality Files have been set for one or more records. Osan Affarred Fange, SHA, SWH and Badoccater Cuality Files have been set for one or more records. Osan Affarred Fange, SHA, SWH and Badoccater Cuality Files have been set for one or more records. Osan Affarred Fange, SHA, SWH and Badoccater Cuality Files have been set for one or more records. Osan Affarred Fange and Badoccater Cuality Files have been set for one or more records. Osan Affarred Fange SHA, SWH and Badoccater Cuality Files have been set for one or more records. Osan Affarred Fange and Badoccater Cuality Files have been set for one or more records. Osan Affarred Fange and Badoccater Cuality Files have been set for one or more records. Osan Affarred Fange SHA, SWH and Badoccater Cuality Files have been set for one or more records. Osan Affarred Fange SHA, SWH and Badoccater Cuality Files have been set for one or more records. Osan Affarred Fange SHA, SWH and Badoccater Cuality Files have been set for one or more records. Osan Affarred Fange SHA, SWH and Badoccater Cuality Files have been set for one or more records. Osan Affarred Fange SHA, SWH and Badoccater Cuality Files have been set for one or more records. Osan Affarred Fange SHA,	CS_OFFL_SIR_GOPN_2_20211122T223253_20211122T223437_C001	OCOG Backscatter Quality	
SS_OFFL_SIR_GOPR_2_80211122T004202_00211122T004001_0001 CS_OFFL_SIR_GOPR_2_80211122T004001_20011122T004001_0001 CS_OFFL_SIR_GOPR_2_80211122T004001_20011122T004001_0001 CS_OFFL_SIR_GOPR_2_80211122T004001_20011122T004001_0001 CS_OFFL_SIR_GOPR_2_80211122T004001_20011122T004000_000011122T004000_000011122T004000_000011122T004000_000011122T004000_000011122T004000_000011122T004000_000011122T004000_000011122T004000_000011122T004000_0000011122T004000_0000011122T004000_0000011122T004000_000000000000000000000000000000	CS_OFFL_SIR_GOPR_2_20211122T003604_20211122T004242_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCOG Basscattler Cuality CS OFFL SIR GOPR 2 20211122T01200 20211122T012728 COOI CS OFFL SIR GOPR 2 20211122T01273 (2010) CS OFFL SIR GOPR 2 20211122T01746 20211122T017590 (2011) CS OFFL SIR GOPR 2 20211122T01746 20211122T017590 (2011) CS OFFL SIR GOPR 2 20211122T01746 (2011) CS OFFL SIR GOPR 2 20211122T05464 (2021) CS OFFL SIR GOPR 2 20211122T05464 (2021) CS OFFL SIR GOPR 2 20211122T05464 (2021) CS OFFL SIR GOPR 2 20211122T0546 (2021) CS OFFL SIR GOPR 2 20211122T0556 (2021) CS OFFL SIR GOPR 2 20211122T0556 (2021) CS OFFL SIR GOPR 2 20211122T056 (2021) CS OFFL SIR GOPR 2 202111	CS_OFFL_SIR_GOPR_2_20211122T004242_20211122T004705_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
GS_OFFL_SIR_GOPR_2_20211122T02030_20211122T021376_ CS_OFFL_SIR_GOPR_2_20211122T02154_20211122T02130_C001 All finite frage and Backscatter Quality Flags and	CS_OFFL_SIR_GOPR_2_20211122T004901_20211122T005621_C001		
CS_OFFL_SIR_GOPR_2_20211122T031746_20211122T031817_C001 Almedre Range and Backscatter Ouality PLRM. OCOG Allmeter Range and Each Scatter Ouality Plags and the OCOG Allmeter Range and Backsc	CS_OFFL_SIR_GOPR_2_20211122T012030_20211122T012728_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20211122T03746_20211122T05922_2001 CS_OFFL_SIR_GOPR_2_20211122T05923_20211122T040201_C001 CS_OFFL_SIR_GOPR_2_20211122T05923_20211122T040201_C001 CS_OFFL_SIR_GOPR_2_20211122T05923_20211122T040201_C001 CS_OFFL_SIR_GOPR_2_20211122T059593_20211122T040201_C001 CS_OFFL_SIR_GOPR_2_20211122T059593_20211122T040201_C001 CS_OFFL_SIR_GOPR_2_20211122T059506_20211122T040201_C001 CS_OFFL_SIR_GOPR_2_20211122T059506_20211122T040201_C001 CS_OFFL_SIR_GOPR_2_20211122T059506_20211122T040201_C001 CS_OFFL_SIR_GOPR_2_20211122T059506_20211122T040201_C001 CS_OFFL_SIR_GOPR_2_20211122T059506_20211122T040201_C001 CS_OFFL_SIR_GOPR_2_20211122T059506_20211122T05402_C001 CS_OFFL_SIR_GOPR_2_20211122T054014_20211122T05402_C001 CS_OFFL_SIR_GOPR_2_20211122T05400_20211122T05402_C001 CS_OFFL_SIR_GOPR_2_20211122T05400_20211122T055021_C001 CS_OFFL_SIR_GOPR_2_20211122T055400_20211122T055021_C001 CS_OFFL_SIR_GOPR_2_20211122T059509_20211122T059039_C001 CS_OFFL_SIR_GOPR_2_20211122T071223_20211122T071412_C001 CS_OFFL_SIR_GOPR_2_20211122T071223_20211122T071412_C001 CS_OFFL_SIR_GOPR_2_20211122T071223_20211122T071412_C001 CS_OFFL_SIR_GOPR_2_20211122T071223_20211122T071412_C001 CS_OFFL_SIR_GOPR_2_20211122T071599_20211122T071412_C001 CS_O	CS_OFFL_SIR_GOPR_2_20211122T021534_20211122T022130_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20211122T035922_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Plags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20211122T035923_20211122T040201_C001 CS_OFFL_SIR_GOPR_2_20211122T05506_20211122T054115_C001 CS_OFFL_SIR_GOPR_2_20211122T054614_20211122T054826_C001 CS_OFFL_SIR_GOPR_2_20211122T054614_20211122T054826_C001 CS_OFFL_SIR_GOPR_2_20211122T05500_20211122T055621_C001 CS_OFFL_SIR_GOPR_2_20211122T05500_20211122T055621_C001 CS_OFFL_SIR_GOPR_2_20211122T063555_20211122T063809_C001 CS_OFFL_SIR_GOPR_2_20211122T071223_20211122T071412_C001 CS_OFFL_SIR_GOPR_2_20211122T071629_20211122T071412_C001 CS_OFFL_SIR_GOPR_2_20211122T075959_20211122T071412_C001 CS_OFFL_SIR_GOPR_2_20211122T075959_20211122T0708359_C001 CS_OFFL_SIR_GOPR_2_20211122T075959_20211122T080359_C001 CS_OFFL_SIR_GOPR_2_20211122T075959_20211122T080359_C001 CS_OFFL_SIR_GOPR_2_20211122T075959_20211122T080359_C001 CS_OFFL_SIR_GOPR_2_20211122T075959_20211122T080359_C001 CS_OFFL_SIR_GOPR_2_20211122T075959_20211122T080359_C001 CS_OFFL_SIR_GOPR_2_20211122T075959_20211122T080359_C001 CS_OFFL_SIR_GOPR_2_20211122T075959_20211122T080359_C001 CS_OFFL_SIR_GOPR_2_20211122T075959_20211122T080359_C001 CS_OFFL_SIR_GOPR_2_20211122T075959_20211122T080359_C001 CS_OFFL_SIR_GOPR_2_20211122T075959_2021112T080359_C001 CS_OFFL_SIR_GOPR_2_20211122T075959_2021112T080359_C001 CS_OFFL_SIR_GOPR_2_20211122T075959_2021112T080359_C001 CS_OFFL_SIR_GOPR_2_20211122T075959_2021112T080359_C001 CS_OFFL_SIR_GOPR_2_20211122T075959_2021112T080359_C001 CS_OFFL_SIR_GOPR_2_20211122T0804546_0021112T080454_C001 COCG Altimeter Range and Backscatter Quality PLRM, C00C Altimeter Range and Backscatter Quality PlRM, C	CS_OFFL_SIR_GOPR_2_20211122T031746_20211122T031817_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20211122T054614_20211122T054826_C001 CS_OFFL_SIR_GOPR_2_20211122T055400_20211122T054826_C001 CS_OFFL_SIR_GOPR_2_20211122T055555_20211122T055621_C001 CS_OFFL_SIR_GOPR_2_20211122T055555_20211122T055621_C001 CS_OFFL_SIR_GOPR_2_20211122T071223_20211122T055621_C001 CS_OFFL_SIR_GOPR_2_20211122T071223_20211122T055621_C001 CS_OFFL_SIR_GOPR_2_20211122T071223_20211122T055621_C001 CS_OFFL_SIR_GOPR_2_20211122T071223_20211122T055621_C001 CS_OFFL_SIR_GOPR_2_20211122T071223_20211122T055621_C001 CS_OFFL_SIR_GOPR_2_20211122T071223_20211122T055621_C001 CS_OFFL_SIR_GOPR_2_20211122T071223_20211122T063809_C001 CS_OFFL_SIR_GOPR_2_20211122T071223_20211122T071412_C001 CS_OFFL_SIR_GOPR_2_20211122T071223_20211122T071412_C001 CCG_GAIlimeter Range Quality PLRM, COCG Altimeter Range and Backscatter Quality PLRM, COCG Altimeter Range and Ba	CS_OFFL_SIR_GOPR_2_20211122T035736_20211122T035922_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality PLRM, COG Altimeter Range and Backscatter Quality PLRM of Cog Altimeter Range and Backscatter Qual	CS_OFFL_SIR_GOPR_2_20211122T035923_20211122T040201_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20211122T054614_20211122T054826_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20211122T055400_20211122T055621_C001 CS_OFFL_SIR_GOPR_2_20211122T063555_20211122T063809_C001 CS_OFFL_SIR_GOPR_2_20211122T063555_20211122T063809_C001 CS_OFFL_SIR_GOPR_2_20211122T071223_20211122T063809_C001 CS_OFFL_SIR_GOPR_2_20211122T071223_20211122T071412_C001 CS_OFFL_SIR_GOPR_2_20211122T071223_20211122T071412_C001 CS_OFFL_SIR_GOPR_2_20211122T071629_20211122T071412_C001 CS_OFFL_SIR_GOPR_2_20211122T071629_20211122T072137_C001 CS_OFFL_SIR_GOPR_2_20211122T071629_20211122T072137_C001 CS_OFFL_SIR_GOPR_2_20211122T075959_20211122T080359_C001 CS_OFFL_SIR_GOPR_2_20211122T075959_20211122T080359_C001 CS_OFFL_SIR_GOPR_2_20211122T084546_20211122T084624_C001 CS_OFFL_SIR_GOPR_2_20211122T085003_20211122T085102_C001 CS_OFFL_SIR_GOPR_2_20211122T085003_20211122T085102_C001 Altimeter Range Quality PLRM, COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20211122T085003_20211122T084624_C001 CS_OFFL_SIR_GOPR_2_20211122T085003_20211122T085102_C001 CS_OFFL_SIR_GOPR_2_20211122T085003_20211122T085102_C001 CS_OFFL_SIR_GOPR_2_20211122T085003_20211122T085102_C001	CS_OFFL_SIR_GOPR_2_20211122T053506_20211122T054115_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20211122T063555_20211122T063809_C001 CS_OFFL_SIR_GOPR_2_20211122T063555_20211122T063809_C001 CS_OFFL_SIR_GOPR_2_20211122T071223_20211122T071412_C001 CS_OFFL_SIR_GOPR_2_20211122T071223_20211122T071412_C001 CS_OFFL_SIR_GOPR_2_20211122T071629_20211122T071412_C001 CS_OFFL_SIR_GOPR_2_20211122T071629_20211122T072137_C001 CS_OFFL_SIR_GOPR_2_20211122T071629_20211122T072137_C001 CS_OFFL_SIR_GOPR_2_20211122T075959_20211122T080359_C001 CS_OFFL_SIR_GOPR_2_20211122T075959_20211122T080359_C001 CS_OFFL_SIR_GOPR_2_20211122T084546_20211122T084624_C001 CS_OFFL_SIR_GOPR_2_20211122T085003_20211122T085120_C001 CS_OFFL_SIR_GOPR_2_20211122T085003_20211122T085120_	CS_OFFL_SIR_GOPR_2_20211122T054614_20211122T054826_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20211122T063555_20211122T063809_C001 Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Rang	CS_OFFL_SIR_GOPR_2_20211122T055400_20211122T055621_C001		
OCOG Backscatter Quality In e Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM OCOG Altimeter Range and Backscatter Quality PLRM OCOG Altimeter Range and Backscatter Quality PLRM OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPR_2_20211122T063555_20211122T063809_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_GOPR_2_20211122T075959_20211122T080359_C001 CS_OFFL_SIR_GOPR_2_20211122T084546_20211122T084624_C001 CS_OFFL_SIR_GOPR_2_20211122T085003_20211122T085120_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20211122T084546_20211122T084624_C001 CS_OFFL_SIR_GOPR_2_20211122T085003_20211122T085120_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocoan Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocoan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocoan Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPR_2_20211122T071223_20211122T071412_C001		
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM and Backscatter Quality PLRM. CS_OFFL_SIR_GOPR_2_20211122T084546_20211122T084624_C001 CS_OFFL_SIR_GOPR_2_20211122T085003_20211122T085120_C001 and Backscatter Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20211122T085003_20211122T085120_C001 The Ocoan Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPR_2_20211122T071629_20211122T072137_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCOG Backscatter Quality Ocoan Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG and Hocog Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPR_2_20211122T075959_20211122T080359_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been altimeter Range and Backscatter Quality Flags have been and Backscatter Qua	CS_OFFL_SIR_GOPR_2_20211122T084546_20211122T084624_C001	OCOG Backscatter Quality	
	CS_OFFL_SIR_GOPR_2_20211122T085003_20211122T085120_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_GOPR_2_20211122T085404_20211122T085517_C001	PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20211122T085528_20211122T090336_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20211122T093934_20211122T094350_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20211122T095349_20211122T095704_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20211122T102714_20211122T102911_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20211122T103408_20211122T104244_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20211122T111927_20211122T112242_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20211122T113249_20211122T113703_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20211122T121504_20211122T122214_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20211122T131120_20211122T131446_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20211122T140002_20211122T140114_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20211122T144925_20211122T145501_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20211122T150852_20211122T151105_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20211122T153320_20211122T154009_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20211122T162422_20211122T162428_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20211122T171147_20211122T171709_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20211122T180904_20211122T181053_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20211122T185011_20211122T190008_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20211122T194754_20211122T194930_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20211122T194930_20211122T195039_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20211122T202723_20211122T203458_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20211122T211324_20211122T211617_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20211122T212644_20211122T213108_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20211122T220626_20211122T221316_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20211122T221316_20211122T221610_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20211122T225138_20211122T225546_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20211122T230526_20211122T230916_C001 PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG

PLRM

CS OFFL SIR GOPR 2 20211122T234455 20211122T235216 C001

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (1 Hz & 1Hz PLRM)

Currently, there are several common flags raised in the Level 2 products, which are summarised below.

> 1Hz and 1Hz Ocean SSHA Quality Flags: These flags are currently set for products over sea ice, which is to be expected.

Number of products with errors:

5.8 L2 Ocean Retracking Quality Check

L2 Retracking Flags (20Hz)

CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Ocean Retracking Quality Flag: This flag is currently set for products over land and sea ice, but this is to be expected. The number of products with this error flag set is given below.

L2 Retracking Flags (20Hz, PLRM)

CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz PLRM measurement record. The bit value of this flag indicates any problems when set.

Ocean Retracking Quality Flag (PLRM): This flag is currently set for products GOPR and GOPN products over sea ice, but this is to be expected

Number of products with errors:

6. GOP L2 Pole-to-Pole Data Quality Check

6.1 P2P Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a NetCDF product file (.nc).

Number of products with errors:

6.2 P2P Product Header Analysis

For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.

Number of products with errors:

6.3 P2P Auxiliary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.

Number of products with errors:

6.4 P2P Auxiliary Correction Error Check

For all products, the auxiliary corrections within the Geophysical Group are checked for the default error value (32767)

Currently, there are some common auxiliary correction errors raised in the Level 2 products which are expected due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues which may arise from this test.

- > ECMWF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric Corection, Wet Tropospheric Correction, Inverse Barometric Correction and the U-Wind and V-Wind components of the ECMWF model wind vector. This is a known anomaly (CRYO-COP-3) and will be resolved in a future IPF update. The affected products are not reported in the table below.
- > Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over sea ice, but this is to be expected.
- > Altimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20211121T235218_20211122T004156_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20211122T004156_20211122T013132_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20211122T013132_20211122T022111_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20211122T022111_20211122T031047_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20211122T031047_20211122T040026_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20211122T040026_20211122T045002_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20211122T045002_20211122T053940_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20211122T053940_20211122T062917_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20211122T062917_20211122T071855_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

CS_OFFL_SIR_GOP_2_20211122T071855_20211122T080831_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20211122T080831_20211122T085810_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20211122T085810_20211122T094746_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20211122T094746_20211122T103725_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20211122T103725_20211122T112701_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_220211122T112701_20211122T121639_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20211122T121639_20211122T130615_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20211122T130615_20211122T135554_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20211122T135554_20211122T144530_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20211122T144530_20211122T153508_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20211122T153508_20211122T162444_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20211122T162444_20211122T171423_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20211122T171423_20211122T180359_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20211122T180359_20211122T185338_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20211122T185338_20211122T194314_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20211122T194314_20211122T203253_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20211122T203253_20211122T212229_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20211122T212229_20211122T221207_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20211122T221207_20211122T230143_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20211122T230143_20211122T235122_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

6.5 P2P Measurement Confidence Data Check

CryoSat P2P data includes a measurement confidence flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

6.6 P2P Measurement Quality Flag Check

P2P Quality Flags (20Hz)

CryoSat P2P data includes Quality Flags for each 20 Hz, 20 Hz PLRM and 1 Hz measurement record, copied from the corresponding L2 products.

Since the P2P Quality Flags are copied directly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected.

Number of products with errors: 2

P2P Quality Flags (20Hz PLRM)

Since the P2P Quality Flags are copied directly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected.

Number of products with errors:

P2P Quality Flags (1 Hz & 1Hz PLRM)

Since the P2P Quality Flags are copied directly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected.

Number of products with errors: 2

6.8 P2P Ocean Retracking Quality Check

P2P Retracking Flags (20Hz)

Cryosat P2P data includes an ocean retracking quality flag (field 19) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Ocean Retracking Quality Flag (PLRM): This flag is currently set for products GOPR and GOPN products over sea ice, but this is to be expected.

Number of products with errors:

P2P Retracking Flags PLRM

CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz PLRM measurement record. The bit value of this flag indicates any problems when set.

Ocean Retracking Quality Flag (PLRM): This flag is currently set for products GOPR and GOPN products over sea ice, but this is to be expected.

7. GOP QCC Report Analysis

The Quality Control for CryoSat (QCC) facility performs a primary survey of data products immediately after production by the PDS and LTA processing facilities. A list of the tests which raised errors or warnings is provided below.

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_GOPM1B	188	188	6	182	0
SIR_GOPR1B	105	105	0	105	0
SIR_GOPN1B	95	95	3	92	0
SIR_GOPM_2	188	188	131	57	0
SIR_GOPR_2	105	105	23	81	1
SIR_GOPN_2	95	95	38	57	0
SIR_GOP_P2P	28	28	0	27	1

7.1 QCC Errors

Number of QCC reports with errors:

2

	Tota	l number	of	occurrences	of	each	erro
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Product Type	RLOBOPNCDF	RL	RL	RLOBOPNCDF	RL	RL	-	-	-	-	-
SIR_GOPR_2	1	1	1	1	1	1					
		•	•			•					
Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR GOP 2											

Test Description Key:		
Abbreviation	Test name	Details
RLOBOPNCDF	RangeLatitudeOrBlankOP_7NetCDF	Latitude should be between -90E7 and 90E7
RL	RangeLatitude_6	Latitude should be between -90E6 and 90E6
RL	RangeLatitude_7	Latitude should be between -90E7 and 90E7
RLOBOPNCDF	RangeLongitudeOrBlankOP_7NetCDF	Longitude should be between -180E7 and 180E7
RL	RangeLongitude_6	Longitude should be between -180E6 and 180E6
RL	RangeLongitude_7	Longitude should be between -180E7 and 180E7

7.2 QCC Warnings

Number of QCC reports with warnings

2239

Total number of occurrences of each warning

		· · · · · · · · · · · · · · · · · · ·									
Ì	Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNC			
Ī	SIR_GOPM1B	182	0	0	0	0	0	0			
	SIR_GOPM_2	0	0	39	43	1	47	0			
	SIR_GOPN1B	88	0	0	0	0	0	0			
	SIR_GOPN_2	0	0	10	31	7	26	24			
	SIR_GOPR1B	101	0	0	0	0	0	0			
	SIR GOPR 2	0	1	37	48	5	28	23			

Product Type	RBSZOPOEPNCDF	RLPTONCDF	RNELPOTONCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNC	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	36	2	0	36	0	0	0
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	20	23	1	0	0	28	0
SIR_GOPR1B	0	0	0	0	0	0	0
SIR GOPR 2	13	29	3	0	46	0	56

	Product Type	RPEPOPFDSINNCDF	RPEPOPLRMNCDF	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF
Ī	SIR_GOPM1B	0	0	0	0	0	0	0
	SIR_GOPM_2	0	32	0	0	3	27	0
	SIR_GOPN1B	0	0	0	0	0	0	0
	SIR_GOPN_2	32	0	0	28	15	40	46
	SIR_GOPR1B	0	0	0	0	0	0	0
	SIR GOPR 2	0	0	47	0	2	63	36

Product Type	RSSHAONCDF	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHRTASCNSNCDF	SOOHHIFHD	SCSTODHRNCDF
SIR_GOPM1B	0	0	0	0	1	0	0
SIR_GOPM_2	5	38	0	3	1	0	0
SIR_GOPN1B	0	0	0	0	2	0	41
SIR_GOPN_2	28	29	25	13	0	1	0
SIR_GOPR1B	0	0	0	0	0	0	105
SIR_GOPR_2	9	45	51	5	0	2	0

Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCI	RBSZOPOEPNCDF
SIR_GOP_2_	14	28	28	8	28	16	28

Ī	Product Type	RLPTONCDF	RNELPOTONCDF	RPEPOPFDPLRMSINNCD	RPEPOPFDSINNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF
	SIR GOP 2	28	3	18	28	24	16	28

Product Type	RSSHAOFDPLRMNCDF	RSSHAONCDF	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHLPQWNCDF	-
SIR_GOP_2_	19	24	28	19	17	28	

Test Description Key:						
Abbreviation	Test name	Details				
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter				
IOHHMOOR	IndexOf1Hzin20HzMappingOutOfRange	The mapping of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1)				
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees				
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees				
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only				
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RLPTONCDF	RangeLongPeriodTideOceanNetCDF	The Long period tide height should be between -50mm and 50mm (or missing) for surface type = ocean				
RNELPOTONCDF	RangeNELPOceanTideOceanNetCDF	The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean				

RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDPLRMSAR NCDF	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
	RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
	RangePeakinessExcludingPolarOPFD2SARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDSINNCDF	RangePeakinessExcludingPolarOPFD2SINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPLRMNCDF	RangePeakinessExcludingPolarOPLRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPSARNCDF	RangePeakinessExcludingPolarOPSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPSINNCDF	RangePeakinessExcludingPolarOPSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSSBCONCDF	RangeSeaStateBiasCorrectionOceanNetCDF	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean
RSSHAOFDNCDF	RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSSHAOFDPLRMNCD F	RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSSHAONCDF	RangeSeaSurfaceHeightAnomalyOceanNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSWHOEPFDNCDF	RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSWHOEPFDPLRMN CDF	RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSWHOEPNCDF	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node_Start_v2_NetCDF	Rel_Time_ASC_Node_Start mismatch (DBL ASC, rounded up to 0.1)
SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample
SCSTODHRNCDF	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter
SCSTODNCDF	SequenceCounterStepTODNetCDF	The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter

7.3 Missing QCC Reports

Number of products with missing QCC reports:

0